

Roll No. ....

## BCA–E-503

### B. C. A. (Fifth Semester) EXAMINATION, 2019

ADVANCE PHP

*Time : 2:30 Hours*

*Maximum Marks : 60*

**Note :** All questions have to be attempted.

#### Section—A

1. Attempt all questions. 1 each
  - (a) What makes Ajax unique ?
    - (i) It works as a stand-alone Web development tool.
    - (ii) It works the same with all Web browsers.
    - (iii) It uses C++ as its programming language.
    - (iv) It makes data requests asynchronously.
  - (b) What are the parameters of the method `JSON.parse()` ?
    - (i) Text
    - (ii) Reviver
    - (iii) Both text and reviver
    - (iv) Object

- (c) Which of the following code will return a valid JSON object ?
  - (i) `JSON.parse('{{"FirstName" : "John", "LastName" : "Doe"}}');`
  - (ii) `JSON.parse("{ 'FirstName' : 'John', 'LastName' : 'Doe' })";`
  - (iii) `JSON.parse("({ 'FirstName' : 'John', 'LastName' : 'Doe' })");`
  - (iv) `JSON.parse('{{"FirstName" : "John", "LastName" : "Doe"}}');`
- (d) Which of these is a benefit JSON has over XML ?
  - (i) JSON is more forgiving of poor formatting
  - (ii) JSQN has less markup requirements and therefore is lighter than XML
  - (iii) JSON can be written poorly and still be parsed
  - (iv) JSON does not need to be stored in a file to be sent remotely
- (e) `HEADERS_RECEIVED send()` is called and headers and status are available is expressed by XHR object with `readyState = _____`.
- (f) \_\_\_\_\_ function sends the request to the server (used for POST).
- (g) An array with strings as index is called \_\_\_\_\_ array.
- (h) \_\_\_\_\_ LINE \_\_\_\_\_ means \_\_\_\_\_ in PHP ?

- (i) Variable declared using \_\_\_\_\_ keyword allows the script to restrict access to the variable to the nearest enclosing block.
  - (j) \$ this is a reference to the calling object.  
(True/False)
  - (k) To create instance of class “new” keyword is not required.  
(True/False)
  - (l) The \_\_\_\_\_ method parses a JSON string, constructing the JavaScript value or object described by the string.
2. Attempt any *four* of the following questions : 3 each
- (a) What are the JavaScript data types ? How do we print the size of each data type ?
  - (b) Write the code for adding new elements dynamically.
  - (c) Write the advantages and disadvantages of XMLHttpRequest.
  - (d) Explain XML DOM.
  - (e) What are the AJAX components ?

### Section—B

3. Attempt any *two* of the following questions : 6 each
- (a) How do we implement AJAX with XMLHttpRequest ? What are the properties and methods of XMLHttpRequest object ?
  - (b) Explain exception handling in PHP with example. How is custom exception generated ?

- (c) Write PHP program to have MySQL database connection using PDO. How is PDO different from MySQL ?
4. Attempt any *two* of the following questions : 6 each
- (a) Write a JavaScript program to load contents from a text file named as poem.txt into a webpage using AJAX.
  - (b) Explain the session handling in PHP in detail. Also add suitable example.
  - (c) Explain JSON data types with proper syntax of declaration and assignment.
5. Attempt any *two* of the following questions : 6 each
- (a) Write a program to demonstrate form validation using PHP and AJAX.
  - (b) How do JSON object created ? How is JSON object different from JavaScript object ? Give an example of JSON object.
  - (c) Discuss inheritance in PHP with suitable example.